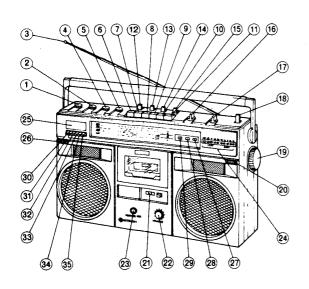
(C) HITACHI

TRK-8300E, E(BS)

SERVICE MANUAL

No. 1558E



KEY TO ILLUSTRATIONS

- BALANCE CONTROL
- (2) BASS CONTROL
- TELESCOPIC ANTENNA (AERIAL)
- TREBLE CONTROL
- (5) VOLUME CONTROL
- PAUSE BUTTON
- FAST-FORWARD/CUE RUTTON
- REWIND/REVIEW BUTTON
- PLAYBACK BUTTON
- RECORD BUTTON
- (11)STOP/EJECT BUTTON
- (12) POWER SWITCH
- (13) TAPE SELECTOR SWITCH
- (14) FM MODE SWITCH
- (15)AFC/RIF SWITCH
- (16)**FUNCTION SELECTOR**
- (17)BAND SELECTOR
- DOLBY NR SWITCH (18)

- (19) TUNING CONTROL
- **BUILT-IN MICROPHONE** (RIGHT)
- TAPE COUNTER
- MIX. MIC VOLUME
- (23) MIXING MIC SOCKET
- (24) LEVEL INDICATOR
- (25) TIME DISPLAY
- BUILT-IN MICROPHONE (LEFT) (26)
- (27) OPERATION INDICATOR (For E)
- AC POWER INDICATOR (For BS)
- DOLBY NR INDICATOR
- (29) FM STEREO INDICATOR
- (30) HOUR SET BUTTON
- (31) MINUTE SET BUTTON
- (32) TIME SET BUTTON TIMER SET BUTTON
- (33)
- SLEEP ON BUTTON
- SLEEP OFF/SNOOZE BUTTON

SPECIFICATIONS

GENERAL SECTION

Semi-conductors:

IC's: 8 Transistors: 26 Diodes: 16 LED's: 13

Varistor: 1 Varicap: 1 Zener diode: 1

Power (Mains) Supply:

AC: 220V, 50 Hz [For E] 240V, 50 Hz [For E (BS)]

DC: 12V (IEC R20×8 or equivalent)

Power (Mains)

Weight:

Comsumption: Dimensions:

496 (W) × 281 (H) × 169 (D) mm 6.2kg (with batteries)

Power output: Speaker:

5 w/ch (T.H.D. 10%), 16W MPO 120 mm, 2.8 ohms × 2 30mm, 3k ohms×2

TUNER SECTION

FM/SW/MW/LW 4-band Circuit System: superheterodyne

FM: 87.5 to 108 MHz Tuning Range: SW: 6.0 to 18 MHz MW: 530 to 1605 kHz

LW: 150 to 350 kHz FM: 10 dB(pra.) 2 dB(max.) Sensitivity: SW: 25 dB (pra.) 20 dB (max.) MW: 42 dB(pra.) 30 dB(max.)

LW: 50 dB (pra.) 40 dB (max.) : 10.7 MHz Intermediate Frequency: SW/MW/LW: 468 kHz

Antennas (Aerials):

TAPE RECORDER

Tape Tape Speed: Recording System: Erasing System: Track System:

Frequency Response:

S/N (Signal to Noise Ratio):

WoW and Flutter: Cross Talk:

Erase Ratio: Input Sensitivity and Impedance:

Output Level and Impedance:

Fast Forward or Rewinding Time:

Distortion: Motor:

FM/SW: Terescopic antenna

MW/LW: Built-in ferrite-core antenna

Cassette tape (C-30, 60, 90) 4.75 cm/s AC bias, 57 kHz AC erase

4 track 2 channel Normal: 50 Hz to 12 kHz CrO₂: 50 Hz to 13 kHz METAL: 50 Hz to 14 kHz

50 dB (DOLBY NR : OFF), 60 dB (DOL BY NR: ON) 0.1% (WRMS) 50 dB (Between tracks)

40 dB (Between channels)

Microphone: 0.4mV, 500 ohms Record/playback (DIN): 6mV, 12k ohms

Record/playback (DIN): 775mV, 5 kohms

EXT. Speaker: 2.8~8 ohms

Headphone: 60 ohms

110 sec. (Using C-60)

DC Micro motor

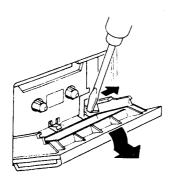
SAFETY PRECAUTION

The following precautions should be observed when servicing

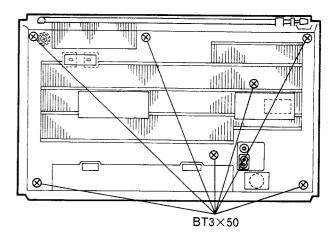
- 1. Since many parts in the unit have special safety-related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makes. Critical parts are marked with $\hat{\Lambda}$ in the schematic diagram, and circuit board diagram.
- 2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

DISASSEMBLY

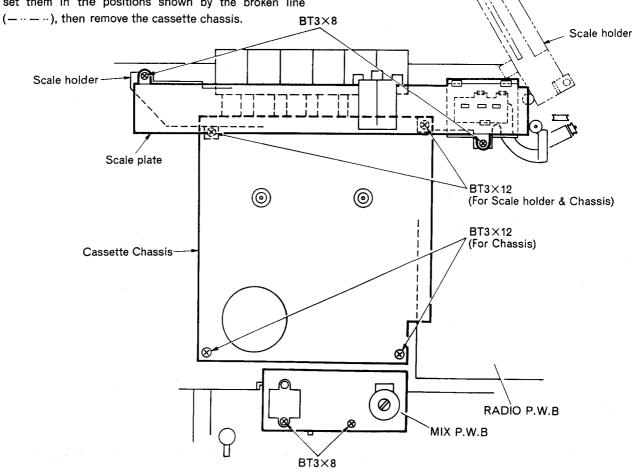
1. Cassette lid



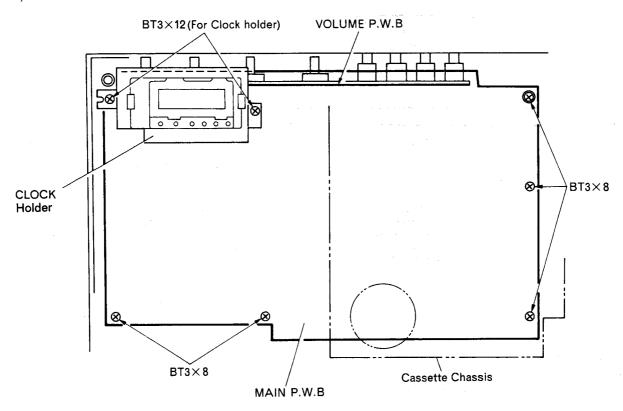
2. Rear case



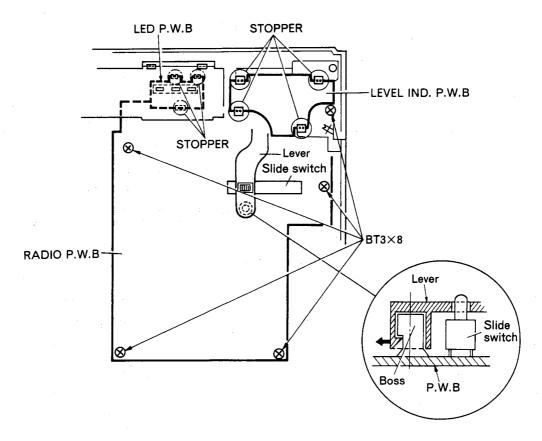
3. Scale plate, Scale holder, Cassette chassis and MIX PWB Remove the scale plate and the scale holder first and set them in the positions shown by the broken line



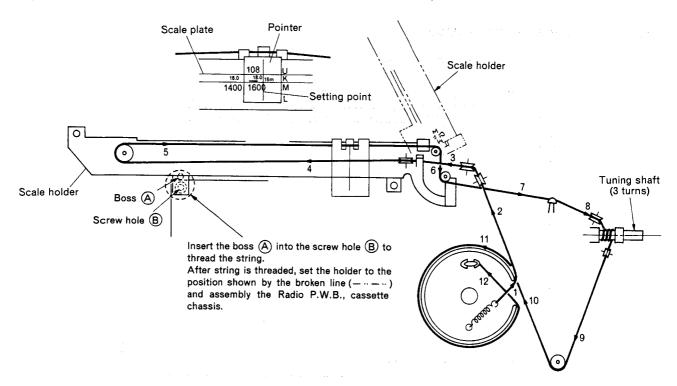
4. MAIN, VOLUME P.W.B and CLOCK MODULE



5. LED, LEVEL, and RADIO P.W.B



DIAL CORD STRINGING



STRINGING METHOD

- 1. Turn the pulley counterclockwise.
- 2. String the dial cord in the direction of arrow (No. $1\sim12$)
- 3. Set the pointer to setting position.

LUBRICATION

Lubricate one or two drops of oil to rotating point or lubricate grease to sliding point.

Lubricate the respective parts listed once every 1000 hours or once a year under normal conditions of use.

Avoid oiling them excessively, or rotation may become irregular because of oil splashes.

L	ubrication point	Oil or Grease		
Rotary	Metal and metal	Pan motor oil (10W-40)		
section	Mold and metal	Sonic slider oil (#1600)		
0 11 11	Metal and metal	Hitasol (MO-138)		
Sliding section	Mold and mold Mold and metal	White grease (FL-LUBE-A)		
Spring resc	nance prevention	Froil (GB-TS-1)		

INSPECTION

Mode	I tem	Pressure or Torque
	Pressure of pressure roller	350 g 500g
Playback	Take-up torque	35g-cm 60g-cm
	Supply reel back tension	1.5g-cm 3.5g-cm
Rewind	Rewind torque	60g-cm 90g-cm
Fast Forward	Fast Forward torque	65g-cm 90g-cm

ADJUSTMENT

1. Tuner Section

* For West Germany

		A -11 A A	Measuring In	strument and Co	nnection	Genescope	Dial				
St	ер	Adjustment Item	Measuring Instrument	Input Terminal	Output Terminal	or Signal Generator Frequency	Pointer Position	Adjust	Reading		
4	(1)	FM IF	Turn T202 fully	counterclockwise	•						
1	(1)	FIVI IF	• Genescope (10.7 MHz)	TP101	TP201	10.7 MHz	Highest	T101 T201	Note 1		
	(2)	S-Curve						T202	Note 2		
	(1)	FM OSC.	• FM signal	Ext. antenna terminal		87 MHz (87.5 MHz*)	Lowest	L103	Max.		
2	(2)	(Covering)	generator (400 Hz 30% mod.) • Oscilloscope	(thru dummy antenna) * Note 5	TP201	109 MHz (108 MHz*)	Highest	CT102	IVIAA.		
	(3)		VTVM	Note 5			Repeat steps	(1) and (2)			
	(1)	514 A 1 T				90 MHz	90 MHz	L101	NA.		
3	(2)	FM ANT. (Tracking)				106 MHz	106 MHz	CT101	⊣ Max.		
	(3)						Repeat steps	(1) and (2)			
4	(1)	FM MPX (Multiplex)	Frequency counter	Connect a 10µF 25V electrolytic capacitor between the No. 2 pin of IC301 and ground.	P8		<u></u>	RT302	19 kHz ±200 Hz (Note 3)		
5	(1)	FM Separation	98 MHz, 60 dB L+R(1 kHz) 180mV, 30% mod. Pilot (19 kHz) 20mV, 10% mod. ● Osilloscope ● VTVM	Ext. Ant. terminal	TP301 TP302	98 MHz	98 MHz	RT301	Min. (Note 8)		
6	(1)	AM IF	Genescope (468 kHz)	Ferrite-core antenna	TP202	468 kHz	Highest	T151 T204	Note 4		
	(2)		(408 KI 12)	antenna	•		Repeat	step (1)			
	(1)					145 kHz	Lowest	L156	Max		
7	(2)	LW OSC. (Covering)					360 kHz	Highest	CT156	Max.	
	(3)					Repeat steps (1) and (2)					
	(1)			Ferrite		160 kHz	160 kHz	L153			
8	(2)	LW ANT. (Tracking)	● AM signal	antenna (thru dummy)	TP202	330 kHz	330 kHz	CT153	Max.		
	(3)	(Tracking)	generator (400 Hz, 30%	* Note 6			Repeat steps	(1) and (2)	<u> </u>		
	(1)	-	mod.) ● VTVM			515 kHz	Lowest	L155			
9	(2)	MW OSC. (Covering)				1650 kHz	Highest	CT155	⊢ Max.		
	(3)	(Covering)				-	Repeat steps	(1) and (2)			
	(1)		1			600 kHz	600 kHz	L152			
10	(2)	MW ANT. (Tracking)				1400 kHz	1400 kHz	CT152	Max,		
	(3)	4 `					Repeat steps	(1) and (2)	J		

		Adiosalmana	Measuring II	nstrument and Co	onnection	Genescope	Dial		-			
Si	tep	Adjustment Item	Measuring Instrument	Input Terminal	Output Terminal	or Signal Generator Frequency	Pointer Position	Adjust	Reading			
	(1)	SW OSC.	AM signal	Eyt ontonno	Eut outone		Lowest	L154				
11	(2)	(Covering)	generator (400 Hz, 30%	Ext. antenna terminal (thru dummy antenna)	terminal	30% terminal	(400 Hz, 30% terminal	(400 Hz, 30% terminal	18.5 MHz	Highest	CT154	Max.
	(3)		mod.)		TP202		Repeat steps	(1) and (2)	<u> </u>			
	(1)	CIAL ANT		* Note 7		6.5 MHz	6.5 MHz	L151				
12	(2)	SW ANT. (Tracking)	● VTVM			16.0 MHz	16.0 MHz	CT151	Max.			
	(3)					1	Repeat steps	(1) and (2)	1			

Note:

- Feed in a weak signal to TP101 from the genescope. Adjust T101, T201 for maximum gain and the wave form indicated in Figure 1 If the center of the wave form cannot be lined up on the marker, adjust the right/left balance.
- Use the T202 core to form the S-curve shown in Figure
 Adjust the symmetry of A and B about point C for linearity.
- 3. Connect the frequency counter to P8, via a resistor of $100\,k\Omega.$
- 4. Feed in a weak signal from the genescope. Adjust T151 and T204 for maximum gain and the waveform of Figure 3.

Adjust the genescope output so that there is a little noise riding on the leading edge.

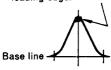


Fig. 1

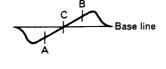
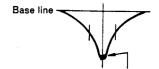


Fig. 2



Adjust the genescope output so that there is a little noise riding on the leading edge.

Fig. 3

5. Transmit to the dummy antenna in Figure 4 and connect to P1.

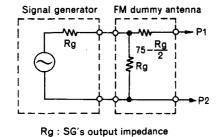


Fig. 4

7. Transmit to the dummy antenna in Figure 5 and connect to P1.

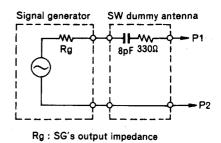


Fig. 5

- 6. Connect AM signal generator to loop antenna, bring near to ferrite antenna.
- 8. Feed the signal for each channel and adjust RT301 so that an optimum separation can be obtained.

2. Tape Recorder Section

Perform the following adjustments in the sequence stated after cleaning the head, pressure roller, and capstan with a head cleaning stick moisted in alcohol.

			uring instrument		Check	Mode	Adjust	Reading	
Item	Adjustments	Measuring instrument	Input terminal	Output terminal	tape	Mode	Aujust	neading	
1	Head azimuth	•VTVM		DIN OUT or TP401L, R	MTT-316 or MTT-216, 12.5KHz	PLAY	Azimuth adjusting screw	Output Max. (See Note 1)	
2	Playback gain	·VTVM		TP401L, R	MTT-150, 400Hz	PLAY	RT401L, R	0.775V (0 dBm)	
3	Level indicator	VIVM		TP401E, N	200 nwb/m	PLAT	RT403L, R	(See Note 2)	
		Set the tape sele Set the RT402 L	ctor switch to t , R to middle po	he normal position.	on.				
4	Bias current	* Audio oscillator (1.25KHz/12.5 KHz,-20 dB) * Frequency counter * VTVM	DIN IN	DIN OUT or TP401L, R	Hitachi UD tape	REC/ PLAY	RT404L, R	(See Note 3)	
		Set the tape sele	ctor switch to t	he normal positi	on.				
5	Record/Playback output	* Audio oscillator (400Hz, 0dB) * Frequency counter * VTVM	DIN IN	DIN OUT or TP401L, R	Hitachi UD tape	REC/ PLAY	RT402L, R	О⊲В±1⊲В	
6	Dolby NR check	* Audio oscillator (5KHz) * Frequency counter * VTVM	DIN IN	TP401L, R		REC		(See Note 4)	

Note:

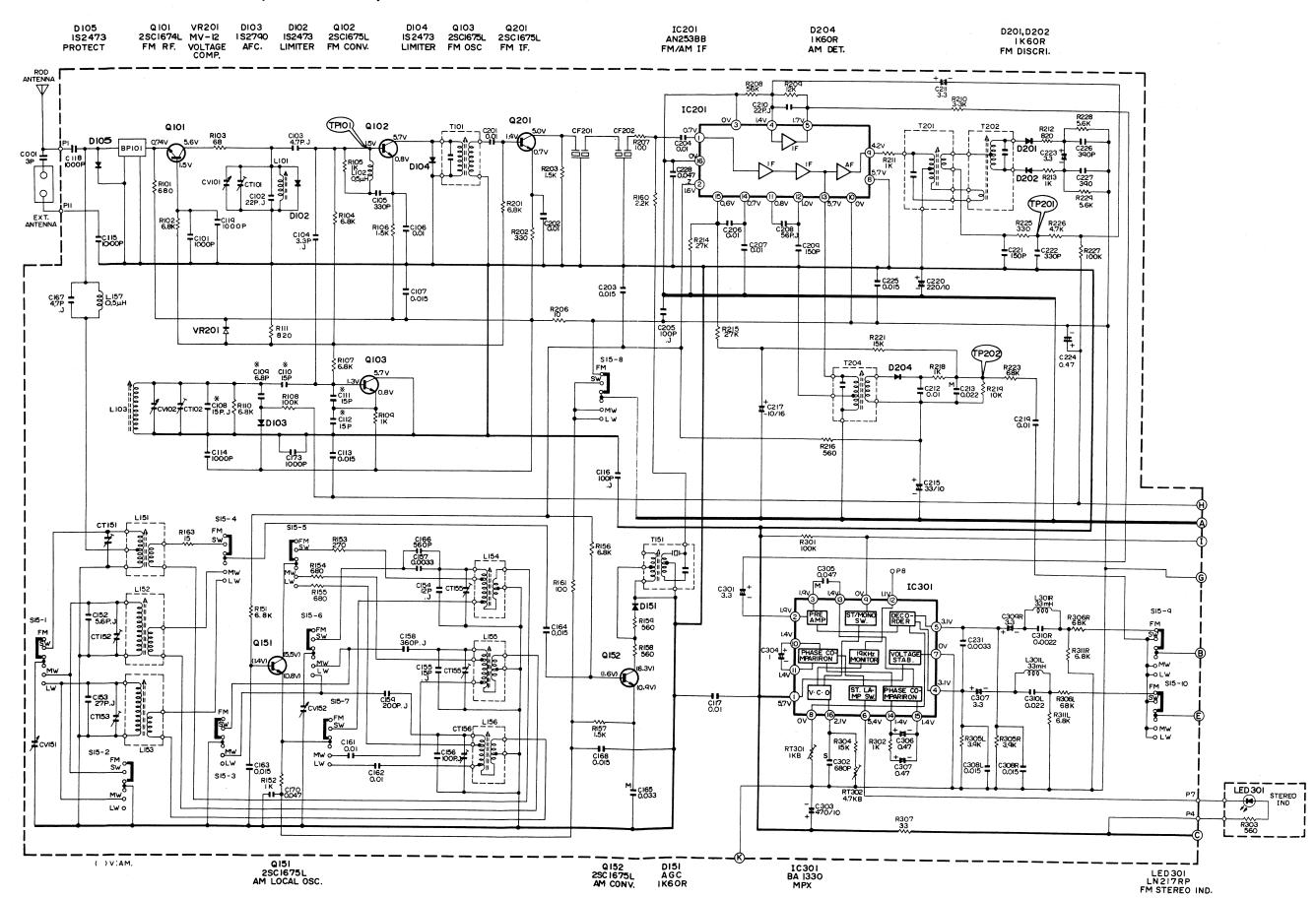
- 1) When the maximum values of both channels are different, tune to the maximum value of the L channel. In this case, the difference between the maximum values of both channels should be within 2dB.
- 2) With the condition shown in item 3, adjust RT403 L, R so that the level indicator lamp (0dB) lights up.
- a. Set the RT 402 L, R to middle position.
- b. Turn the L402L, R fully clockwise.

- c. Record a 1.25KHz and 12.5KHz signals with a level of OdB -20dB (at test point TP401L, R) on Hitachi UD tape. Then, playback this tape and adjust RT404L, R so that the output difference is within $\pm 2dB$.
- 4) Supply a 5KHz signal to the DIN IN jacks to obtain the level of -30,4dBm ± 0.1dB at test points TP401L, R. Confirm that the level is boosted by 8dBm ± 0.2dB when the Dolby NR switch is set to ON.

REPLACEMENT PARTS LIST

		NEPLACEMEN	IFANIS	LIQ I	<u> </u>
SYMBOL-NO	P-N0	DESCRIPTION	SYMBOL-NO	P-NO	DESCRIPTION
		CAPACITORS	C203	0209027	CERAMIC (RESISTOR SHAPE) 0.01MF+-30%
CT101-102	5052391	PLASTIC FILM VARIABLE CAPACITOR	C204	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01MF+-30%
CT151	5058191	TRIMMER 10PF			
CT153	5058191	TRIMMER 10PF	C205	0248684	CERAMIC DISC (RESISTOR SHAPE) 100PF+-5%
CT154 CT156	5058191	TRIMMER 10PF VARIABLE CAPACITOR	C206	0509056	CERAMIC DISC (RESISTOR SHAPE)U.D1MF+-3U%
CV101-102	5052391	PLASTIC FILM VARIABLE CAPACITOR	c2 u7	0209026	CERAMIC DISC (RESISTOR SHAPE) 0. U1MF+-30%
CV151-152	5052391	PLASTIC FILM VARIABLE CAPACITOR	6303	0306479	ASDAMIC 2102 (DECISES CHARE) (2007) 444
C101	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000PF+-10	C208	0208130	CERAMIC DISC (RESISTOR SHAPE) 680PF+-16%
C102	0208133	CERAMIC (RESISTOR SHAPE) 22PF+=5%	C2U9	0209011	CERAMIC DISC (RESISTOR SHAPE) 150PF+-10%
C103	0208125	CERAMIC (RESISTOR SHAPE) 4.7PF+-5%	C210	0208133	CERAMIC DISC (RESISTOR SHAPE) 22PF+-5%
C1U4	0208124	CERAMIC (RESISTOR SHAPE) 3.3PF+-5%		0202024	
C105	0209004	CERAMIC DISC (RESISTOR SHAPE) 33UPF+-10%	C212	0209026	CERAMIC DISC (RESISTOR SHAPE)0.01MF+-3U%
C1U6	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01MF+-30%	C219	0209026	CERAMIC DISC (RESISTOR SHAPE)U.01MF+-30%
640.3	0300033	CERANTE ARECTERA CHARES O (AMEL-40)	C221	0209011	CERAMIC DISC (RESISTOR SHAPE) 150PF+-10%
C107	0209027	CERAMIC (RESISTOR SHAPE) 0.01MF+-30%	C222	0209004	CERAMIC DISC (RESISTOR SHAPE)330PF+-10%
C108	0248174	CERAMIC DISC 15PF+-5%(N-330)		313,334	CENANTO DIOC CHEGISTON SHAYE, 5330. F. 102
C109	0208157	CERAMIC (RESISTOR SHAPE) 6.8PF+-10%(NP-0)	C226	0209005	CERAMIC DISC (RESISTOR SHAPE)390PF+-10%
C110	0208163	CERAMIC (RESISTOR SHAPE) 15PF+-10%	C227	0209005	CERAMIC DISC (RESISTOR SHAPE) 390PF+=10%
C111	0208161	CERAMIC (RESISTOR SHAPE) 15PF+-10%(NP-0)	C3U8LR	0209027	CERAMIC (RESISTOR SHAPE) U.U1MF+-3U%
C112	0208161	CERAMIC (RESISTOR SHAPE) 15PF+-10%(NP-0)			
		708	C31ULR	0209022	CERAMIC DISC (RESISTOR SHAPE) 0.0U22MF+-
C113	0209027	CERAMIC (RESISTOR SHAPE) 0.01MF+-30%	C401LR	0209027	CERAMIC (RESISTOR SHAPE) 0.01MF+-30%
C114	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000PF+-10%	C404R	0209010	CERAMIC DISC (RESISTOR SHAPE)1000PF+-10%
C115	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000PF+-10%			
C114	0208141	CERAMIC DISC (RESISTOR SHAPE) 100PF+-52	C409LR	0209024	CERAMIC DISC (RESISTOR SHAPE)470UPF+-30%
¢116	0208141	CERABLE DISC (RESISTOR SHAPE) [UUFF4-52	C411LR	0209010	CERAMIC DISC (RESISTOR SHAPE)1000PF+-10%
C117	0209026	CERAMIC DISC (RESISTOR SHAPE) 0.01Mf+-30%	C423LR	0209022	CERAMIC DISC (RESISTOR SHAPE) 0.0022MF+-
C118	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000PF+-10%			
c152	0208126	CERAMIC (RESISTOR SHAPE) 5.6PF+-5%	C431LR	0209003	CERAMIC DISC (RESISTOR SHAPE)270PF+-10%
C152		CERAMIC (RESISTOR SHAPE) 27PF+-5%	C433LK	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000PF+-10%
C154	0208130	CERAMIC (RESISTOR SHAPE) 12PF+-5%	C441LR	0209022	CERAMIC DISC (RESISTOR SHAPE) 0.0022Mf+-
C155	0208131	CERAMIC (RESISTOR SHAPE) 15PF+-5%			
C156	0208141	CERAMIC DISC (RESISTOR SHAPE) 100PF+-5%	C442LR	0209025	CERAMIC DISC (RESISTOR SHAPE) 6800PF+-30%
C160	0209010	CERAMIC DISC (RESISTOR SHAPE)1000PF+-10%	C448LR	0209024	CERAMIC DISC (RESISTOR SHAPE)470UPF+-30%
			C452LR	0209010	CERAMIC DISC (RESISTOR SHAPE) 1000PF+-10%
C161	0209026	CERAMIC DISC (RESISTOR SHAPE)0.01MF+-30%	644410	0300003	400
C162	0209026	CERAMIC DISC (RESISTOR SHAPE)0.01MF+-30%	C461LR	0209002	CERAMIC DISC (RESISTOR SHAPE) 220PF+-10%
C163	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015MF+-3U%			RESISTORS .
	000007	708	RC601	0186451	CR PACK
C164	0209027	CERAMIC DISC (RESISTOR SHAPE) 0.015 MF+-30%	RC602		CR PACK
¢167	0208125	CFRAMIC (RESISTOR SHAPE) 4.7PF+-5%	RT301		SEMI VARIABLE RESISTOR 1KOHM (B)
C168	0209327	CERAMIC (RESISTOR SHAPE) 0.01MF+-30%	RT302		SEMI VARIABLE RESISTOR 4.7K OHM
C2 U1	0209026	CERAMIC DISC (RESISTOR SHAPE) U.01mf+-30%	RT401LR RT402LR		SEMI VARIABLE RESISTOR 2K OHM (B) VARIABLE RESISTOR 20K OHM (B)
c2 02	0200034	CERAMIC DISC (RESISTOR SHAPE) 0.01Mf+-30%	RT403LR		SEMI VARIABLE RESISTOR 10K OHM RS88
6606	J.C.U.71720	CERTIFIC DISC (RESISTOR SHAFE) U.UIMI+=SUM	RT404LR		SEMI VARIABLE RESISTOR

SCHEMATIC DIAGRAM (Tuner Section)



CIRCUIT BOARD DIAGRAM (Tuner Section)

Note

- . Voltage measured at base of chassis with minimum volume control and no signal.

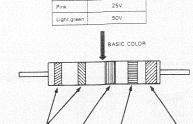
Circuit No.					
Value	No indicated Ω (Ohm) M : 1000 k Ω				
Tolerance	No indicated ±5% K:±10% M:±20%				
Wattage	No indicated ¼W				
- Sort	No indicated Carbon film RC: Composition RW: Wire wound RS: Oxide metal film RN: Fixed metal film				
	Value Tolerance Wattage				

F	- 0	Circuit No.					
[Value	No indicated $\ \mu F$ P: PF No indicated $\pm 10\%$ J: $\pm 5\%$ M: $\pm 20\%$ Z: $+80\%$, -20% D: ± 0.5 pF C: ± 0.2 5pF					
<u>⊥</u> C101 T0.001 • M	_ Tolerance						
		+	Ceramic				
		*#	Electrolitic				
	Sort	H_	Mylar				
		P series	Polyester				
+⊥ C102		ŞL T	Styrol				
0.1/16	Voltage	No indi	cated 50WV				

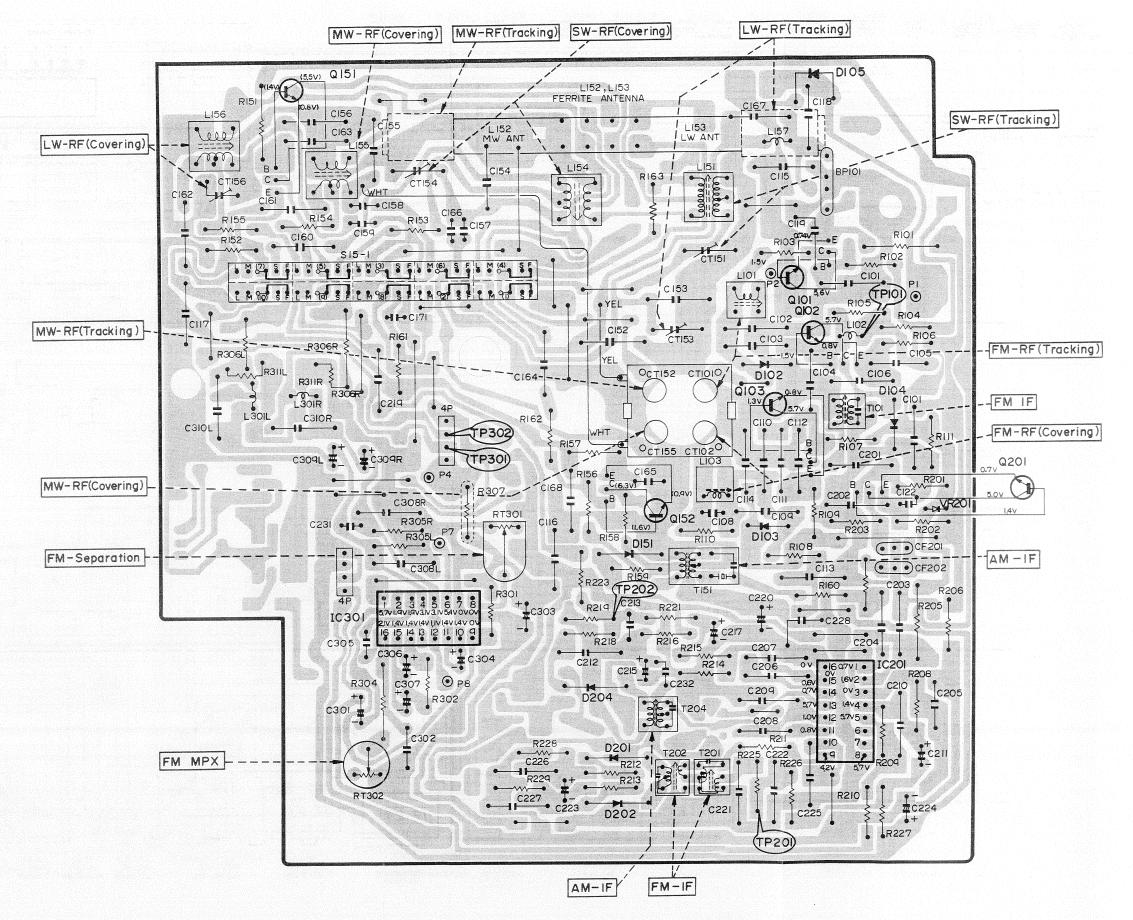
- 3. Be sure to make your orders of resistors and capacitors with value, voltage, tolerance and sort.
 4. When replacing capacitors marked with **, use specified ones stated on parts list since required. temperature characteristics.

HOW TO READ CAPACITY OF RESISTOR SHAPE CAPACITORS

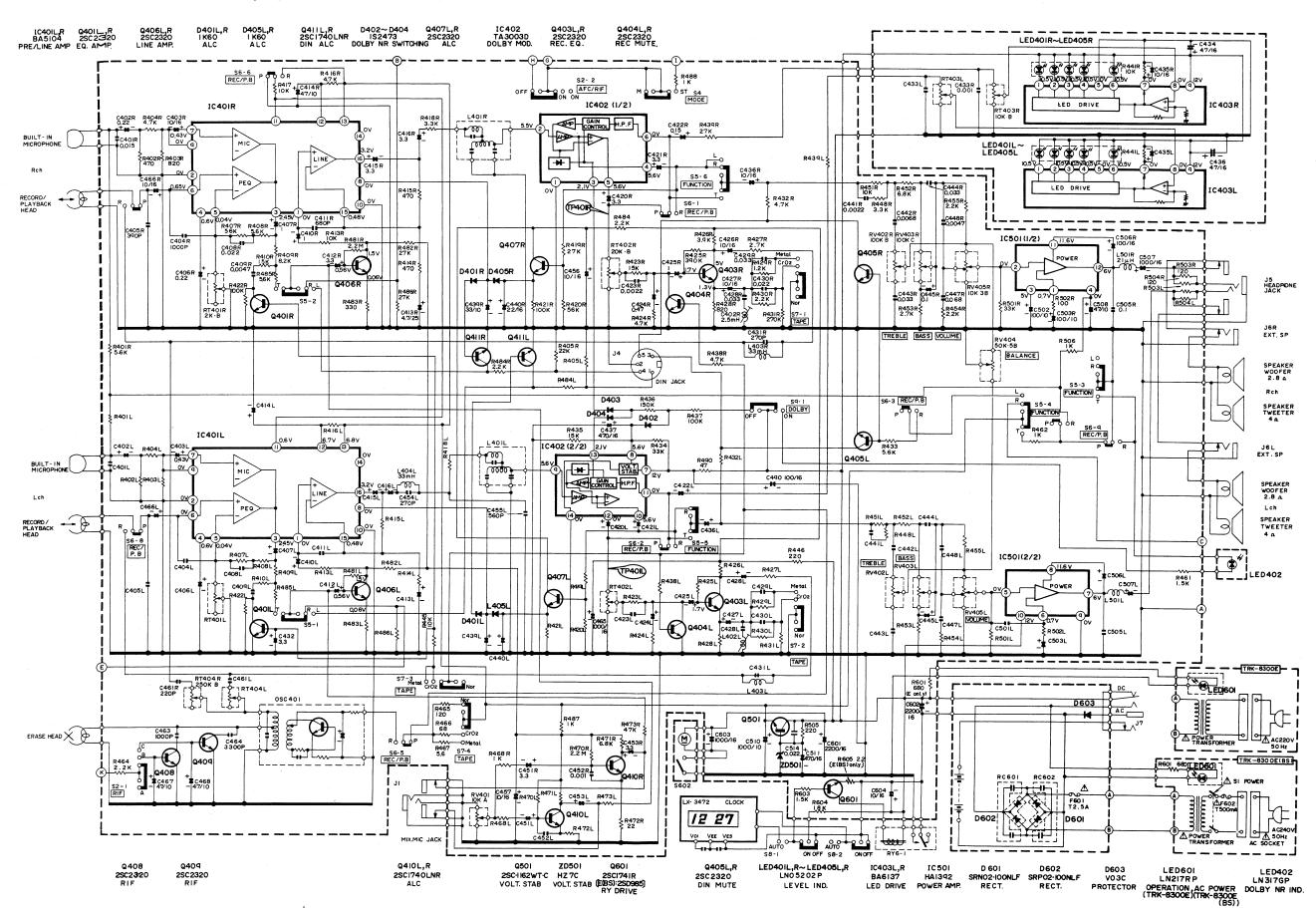
COLOR RATED VOLTAGE



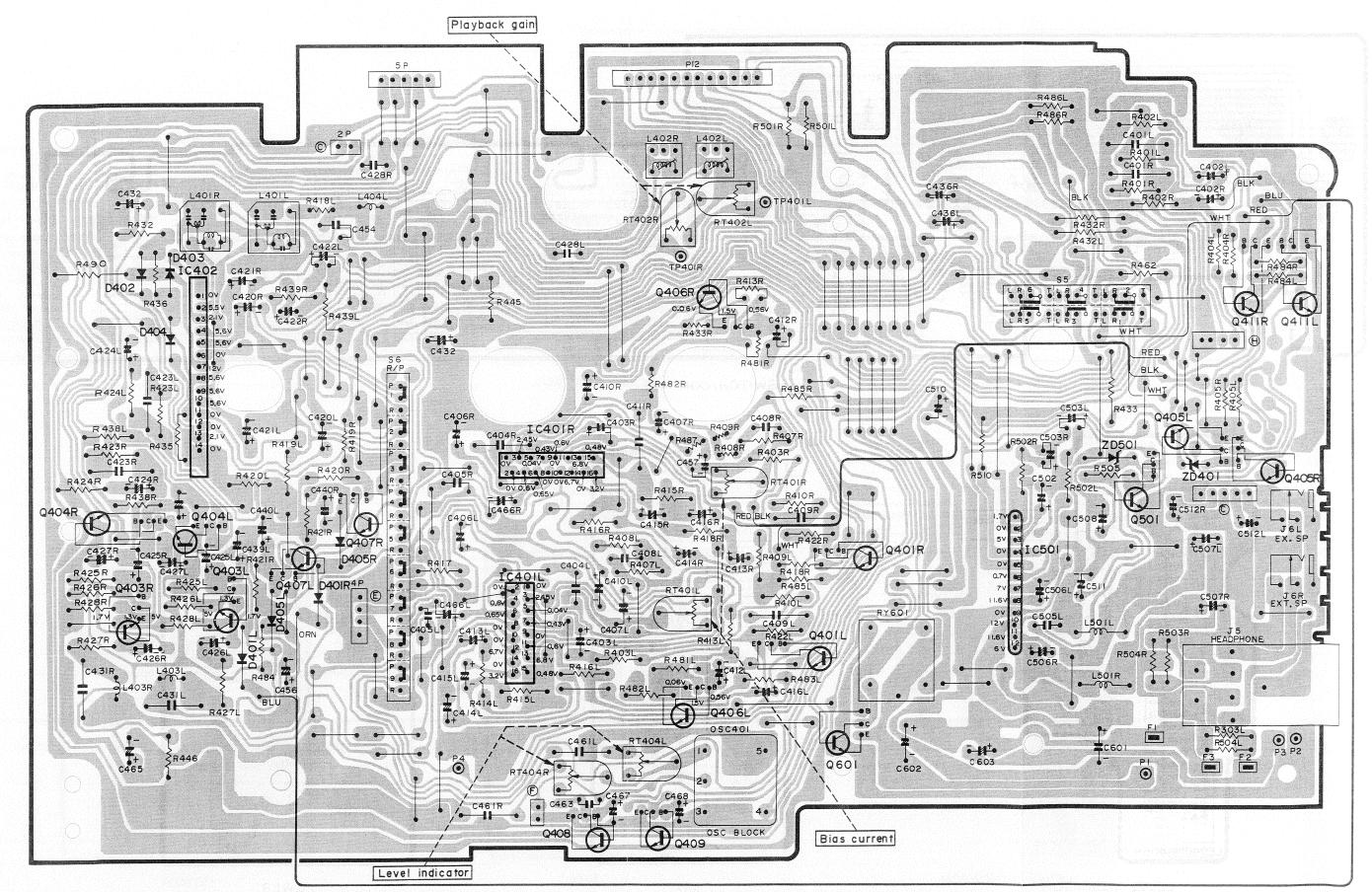
	,	/		•
COLOR	CAPACITY	MULTIPLE	TOLERANCE	CHARACTERISTICS
Black	0	10°	±20%	For temperature compensation
Brown	1	10'		
Red	2	10²		
Orange	3	10³	(a) (b) (c) (c)	
Yellow	4	104		
Green	5	10'		
Blue	6			
Violet	7			
Grey	8		±30%	High dielectric constant type
White	9			For temperature compensation
Gold		10 1	±5%	
Silver			±10%	High dielectric constant type



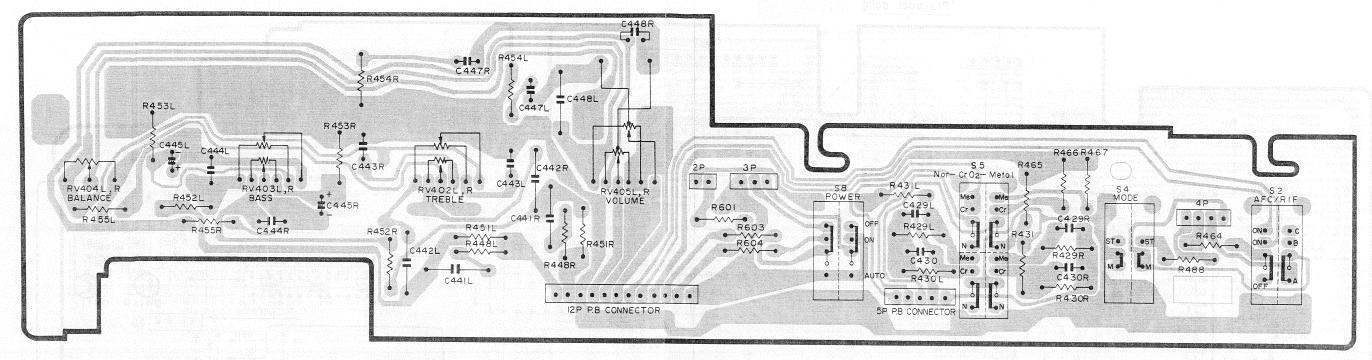
SCHEMATIC DIAGRAM (Tape Recorder Section)



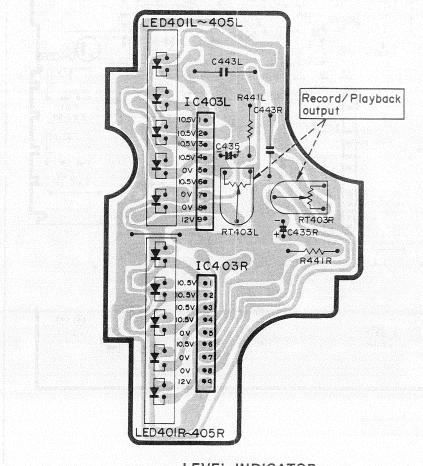
CIRCUIT BOARD DIAGRAM (Tape Recorder Section)



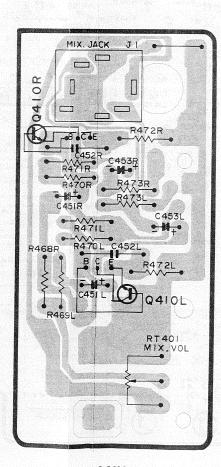
CIRCUIT BOARD DIAGRAM



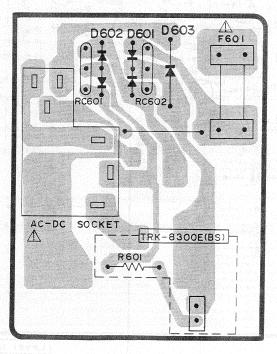
SWITCH/CONTROL



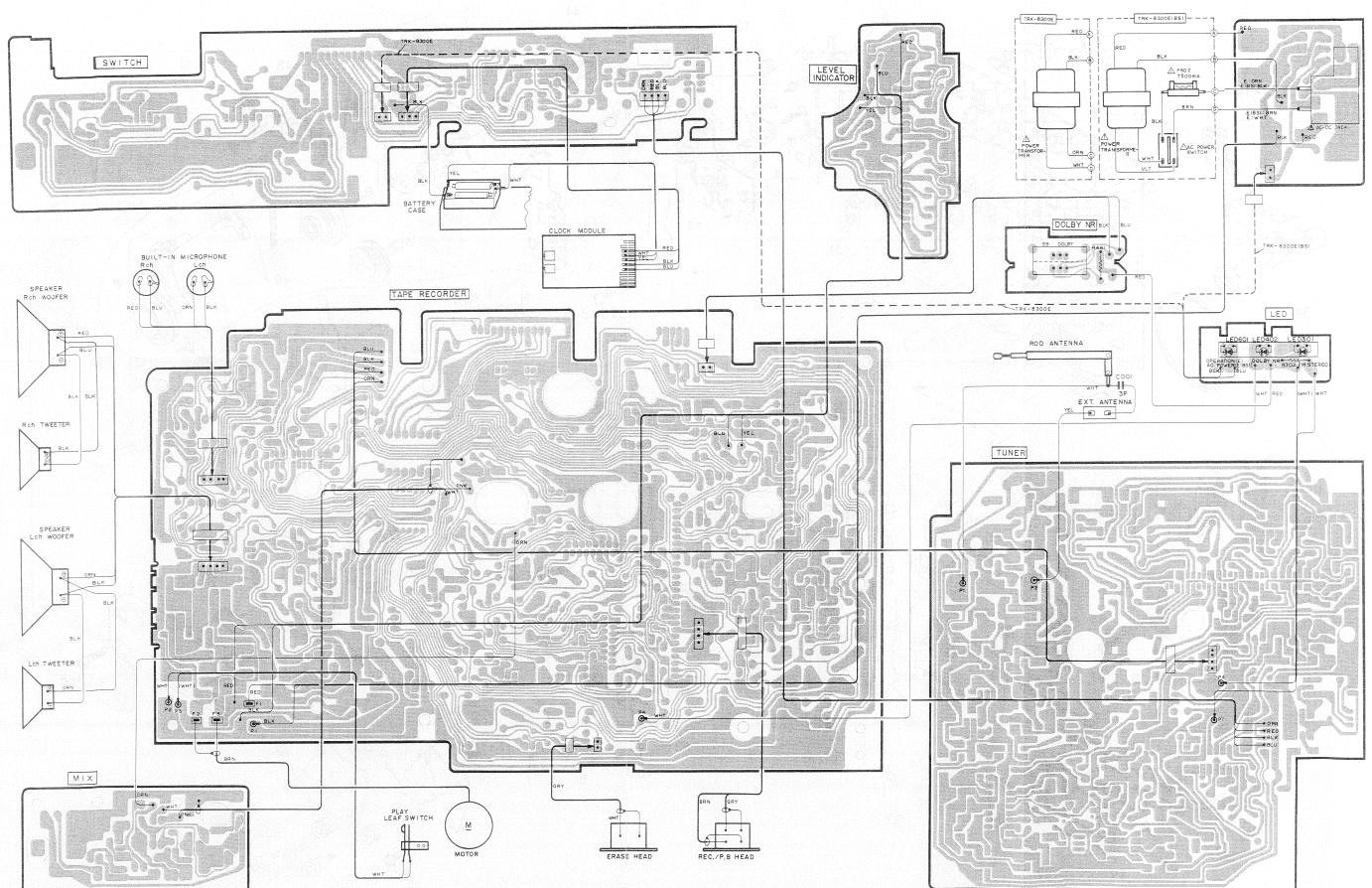
LEVEL INDICATOR

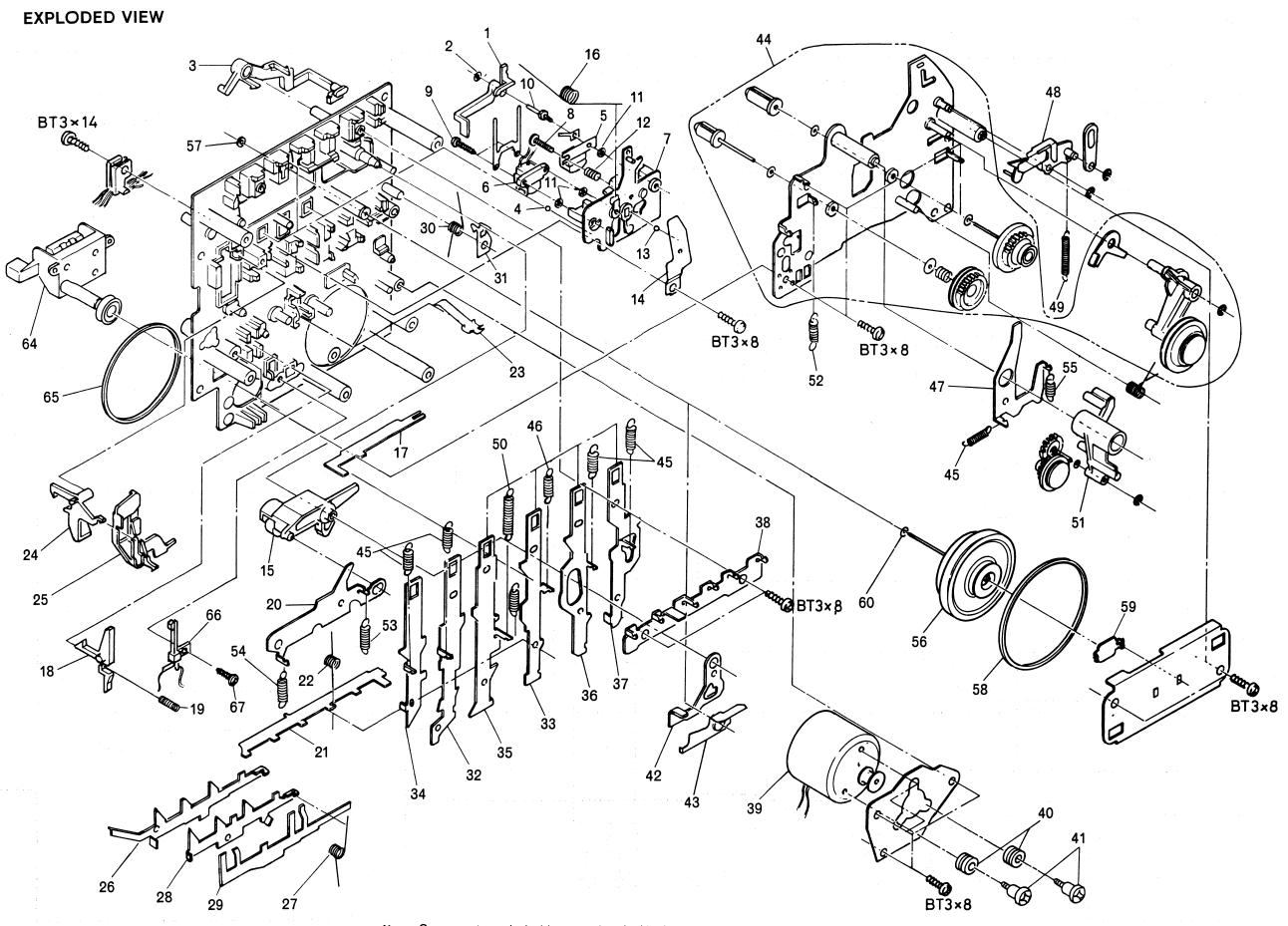


MIX

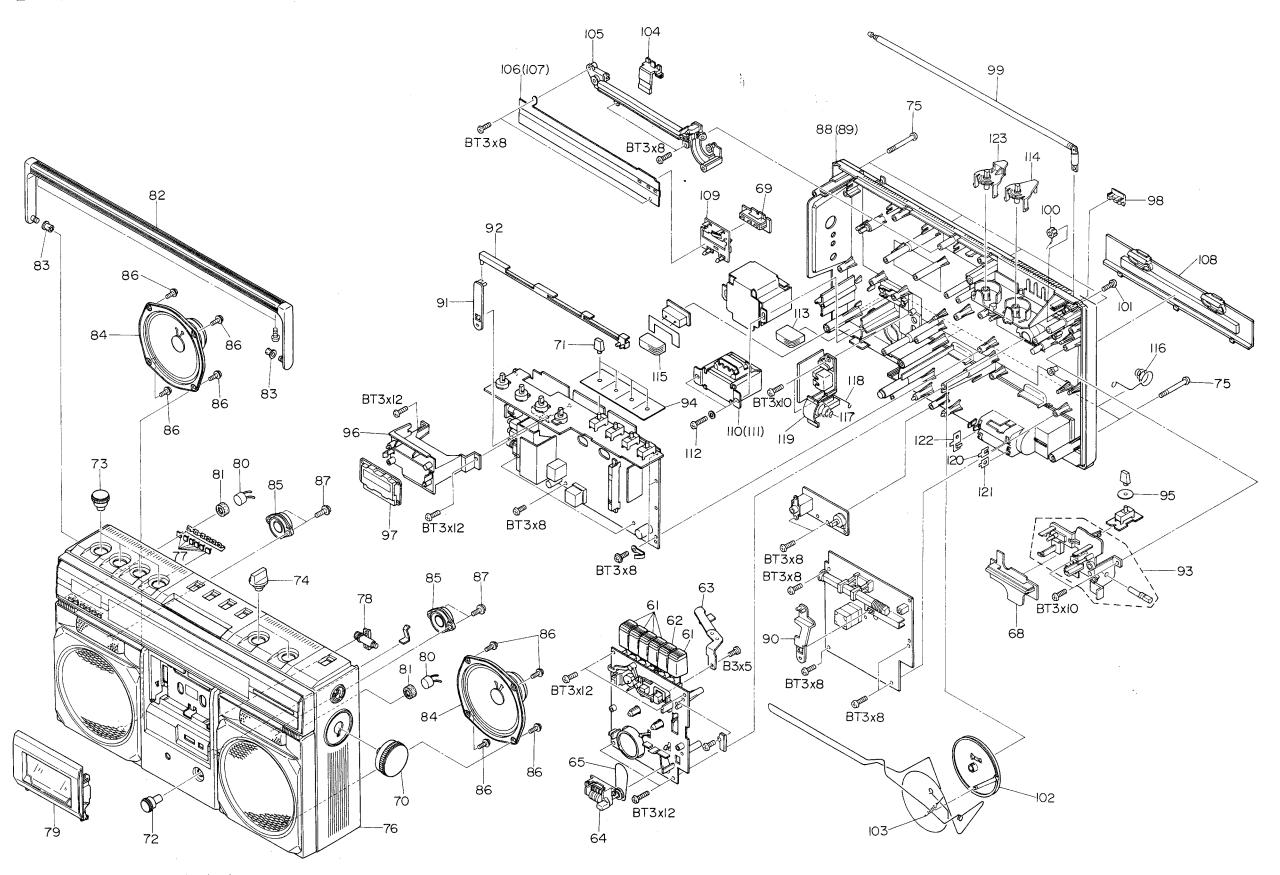


POWER



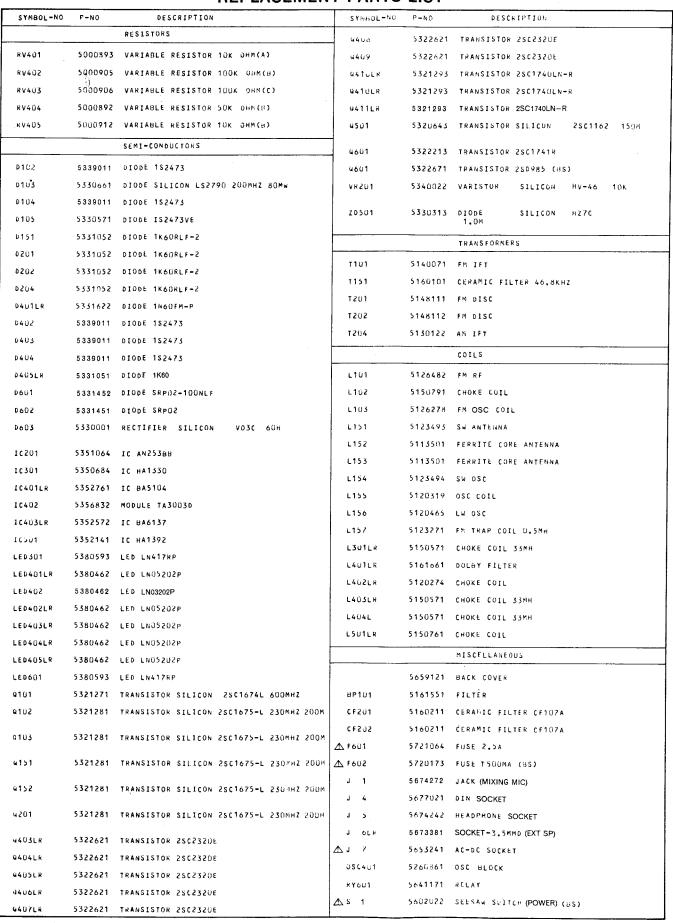


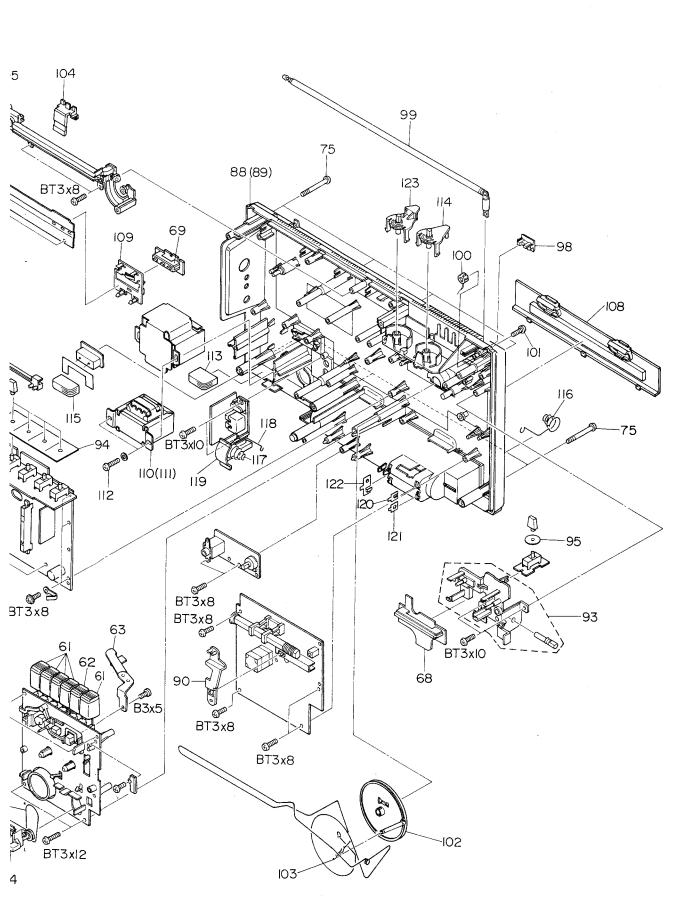
Note: Components marked without numbers in this drawing are not specified as replacement parts.



Note: Components marked with outnumbers in this drawing are not specified as replacement parts.

REPLACEMENT PARTS LIST





TRK-8300E, E(BS)

SYMBOL-NO	P-N0	DESCRIPTION	SYMBOL-NO	P-N0	DESCRIPTION
		MISCELLANEOUS	23	6530471	CASSETTE HOLDER
S 2	5604092	LEVER SWITCH (RIF/AFC)	24	6740982	EJECT ARM
s 4	5604082	LEVER SWITCH (MODE)	25	6761392	EJECT SLIDER
s 5	5620501	SLIDE-SWITCH (FUNCTION)	26	7329702	SWITCH PLATE
\$ 6	5623433	SLIDE SWITCH (REC/PLAY)	27	6308102	SPRING
s 7	5604281	LEVER SEITCH (TAPE)	28	7338032	S LOCK PLATE
s 8	5604092	LEVER SWITCH (TIMER)	29	7329721	PLATE FOR REVIEW/CUE
S 9	5604082	LEVER SWITCH (DOLBY NR)	30	6307711	SPRING
S 15	5625011	SLIDE SWITCH (BAND)	31	7286245	PAUSE LOCK PIECE
		FOR ACCESSARIES	32	7329335	RECORD SLIDER
^	E7/7734	POWER CORD (E)	3.3	7329352	REWIND SLIDER
A		POWER CORD (BS)	34	7329321	STOP SLIDER
Δ		FM ANTENNA (BS)	35	7329341	PLAY SLIDER
			36	7329311	FF SLIDER
		FOR CASSETTE DECK ASSEMBLY (A)	37	7329561	PAUSE SLIDER
1	6752792	PICK UP PIECE	38	7329301	SLIDER HOLDER
2	7786115	POLYESTER WASHER	39	6420861	DC MOTOR ASSEMBLY
3	6752801	PICK UP LEVER	40	6576083	RUBBER PLATE
4	0948492	BALL - 2MMD	41	7539007	SPECIAL SCREW
5	5449022	RECORD PLAYBACK HEAD	42	7287819	RC LEVER
6	5445352	ERASE HEAD	43	7311143	FF FUNCTION LEVER
7	6761471	HEAD PLATE	44	7338571	TURNTABLE HOLDER ASSEMBLY
8	7781004	SCREW	45	6300375	SPRING FOR RECORDING PLATE
9	7780913	TAPPING SCREW-ZMMDX10MM	46	6324814	SPRING
10	7545533	SPECIAL SCREW	47	7286032	LEVER FOR FF/REWIND
11	7778183	POLYESTER WASHER	48	7317882	SETTING OFF LEVER ASSEMBLY
12	6321733	HEAD SPRING C	49	6300597	SPRING
15	0948492	BALL - 2MMD	50	6301233	SPRING
. 14	6329637	HEAD PLATE HOLDER	51	7109603	FF/REWIND ARM ASSEMBLY
15	6383143	PRESSURE ROLLER ARM ASSEMBLY	52	6300981	SPRING
16	6307741	SPRING	53	6301361	SPRING
17	7286183	LEVER FOR PLAY/RECORD	54	6323064	SPRING
18	6741104	RECORD PREVENTION ARM	55	6300996	SPRING
19	6304161	SPRING	56	6373361	FLYWHEEL ASSEMBLY
20	7286257	PLAY/RECORD PLATE	57	7778856	POLYESTER WASHER
21	7308358	LOCK PLATE	58	6354211	BELT
22	6307733	SPRING			

F	Τy	rpe of head				
	Р	Pan head screw	T	вт	Binding head tapping screw	T
	F	Flat countersunk head screw		BL	Bolt	T
	В	Binding head screw		w	Washer	0
(C) W2.6	T	Round head tapping screw	T	E	"E" ring	ଡ
	Length (L mm)				THE PARTY OF LA	L.
ļ	D	iameter (D mm)			O	

When ordering hardware excluding stated on these lists, be sure to make your orders with type and size.

SYMBOL-NO	P-NO	DESCRIPTION	SYMBOL-	NO P-NO	DESCRIPTION
		FOR CASSETTE DECK ASSEMBLY (A)	89	610647	3 REAR CASE ASSEMBLY (BS)
59	6743884	THRUST SUPPORT	90	676637	1 BAND SELECT LEVER
60	7786621,	POLYSLIDER WASHER	91	676638	1 FUNCTION LEVER
		FOR CASSETTE DECK ASSEMBLY (B)	92	676642	1 FUNCTION SLIDER
61	6060252	BUTTON ASSEMBLY (FF, PAUSE, REW, PLAY, STOP)	93	676695	1 TUNING HOLDER ASSEMBLY
62		BUTTON ASSEMBLY (REC)	94	776665	1 SPACER
63		RECORD SPRING ASSEMBLY	95	776647	1 SPACER
64	5559257		96	676592	1 LCD HOLDER
65 *		COUNTER BELT	97	531040	1 CLOCK MODULE (LX-3412H)
66		LEAF SWITCH	98	567166	1 FM ANTENNA TERMINAL
67		PAN HEAD B TIGHTENING SCREW-2.6MMDX6MM	99	575260	1 ROD ANTENNA
			100	568714	2 CAP TERMINAL
68	6766411	LED HOLDER	101	874441	4 BIND SCREW-3MMDX14MM
69	6766401	LED HOLDER	102	634588	1 PULLEY
		MISCELLANEOUS	103	631623	1 SPRING M
70	6283417	TUNING KNOB	104	639873	1 POINTER
71		LEVER KNOB	105	6766861	SCALE HOLDER ASSEMBLY
72		KNOB-18 MMD	106	6468062	SCALE PLATE
73		KNOB (BASS/TREBLE/BALANCE)	107	6468063	S SCALE PLATE (BS)
74		KNOB ASSEMBLY (FUNCTION, BAND)	108	6173454	BATTERY LID ASSEMBLY
75		BT SCREW-3MMDX5OMM	109	676685	1 LED P.W.B HOLDER
76		FRONT CASE ASSEMBLY	△ 110	(PT) 5212682	POWER TRANSFORMER
77		LCD BUTTON (TIME SET)	△ 1111	PT) 5212683	5 POWER TRANSFORMER (BS)
78		GEAR DAMPER ASSEMBLY	112	7781146	5 BT SCREW-3MMDX20MM
79	6093252	CASSETTE LID	113	6746881	FUSE COVER (BS)
80	5421571	BUILT IN MICROPHONE	114	6758571	BAND LEVER
81	6570291	MIC COVER	115	6746902	SWITCH COVER (BS)
82	6334303	HANDLE ASSEMBLY	116		BATTERY SPRING
83		HANDLE PIECE	117	6545652	BATTERY TERMINAL
84	5406413	SPEAKER-12CM	116	7776201	BATTERY TERMINAL
85	5409111	SPEAKER-3CM	119		TERMINAL HOLDER
86	7781133	BT SCREW-3MMD	120		BATTERY TERMINAL (-)
87	7781133	BT SCREW+3MMD	121		BATTERY TERMINAL (+)
88	6106472	REAR CASE ASSEMBLY	122	7339211	BATTERY TERMINAL (+,+)
			123	6766361	FUNCTION LEVER